

Johnny's Airport Adventure			
2009 Mathematics			
Standards of Learning			
Virginia Mathematics			
Grade K			
Activity/Lesson	State	Standards	
Labeling Worksheet (17-22)	VA	MA.K.K.12	The student will describe the location of one object relative to another (above, below, next to) and identify representations of plane geometric figures (circle, triangle, square, and rectangle) regardless of their positions and orientations in space.
Engine Terms (23-24)	VA	MA.K.K.12	The student will describe the location of one object relative to another (above, below, next to) and identify representations of plane geometric figures (circle, triangle, square, and rectangle) regardless of their positions and orientations in space.
Shape Matching (25)	VA	MA.K.K.11.a	Identify, describe, and trace plane geometric figures (circle, triangle, square, and rectangle); and
Shape Matching (25)	VA	MA.K.K.11.b	Compare the size (larger, smaller) and shape of plane geometric figures (circle, triangle, square, and rectangle).
Measurement Worksheet 26-32)	VA	MA.K.K.8	The student will identify the instruments used to measure length (ruler), weight (scale), time (clock: digital and analog; calendar: day, month, and season), and temperature (thermometer).
Measurement Worksheet 26-32)	VA	MA.K.K.10	The student will compare two objects or events, using direct comparisons or nonstandard units of measure, according to one or more of the following attributes: length (shorter, longer), height (taller, shorter), weight (heavier, lighter), temperature (hotter, colder). Examples of nonstandard units include foot length, hand span, new pencil, paper clip, and block.
Time Changes Worksheet (33-44)	VA	MA.K.K.10	The student will compare two objects or events, using direct comparisons or nonstandard units of measure, according to one or more of the following attributes: length (shorter, longer), height (taller, shorter), weight (heavier, lighter), temperature (hotter, colder). Examples of nonstandard units include foot length, hand span, new pencil, paper clip, and block.
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Grade 1			
Activity/Lesson	State	Standards	

Labeling Worksheet (17-22)	VA	MA.1.1.12	The student will identify and trace, describe, and sort plane geometric figures (triangle, square, rectangle, and circle) according to number of sides, vertices, and right angles.
Engine Terms (23-24)	VA	MA.1.1.12	The student will identify and trace, describe, and sort plane geometric figures (triangle, square, rectangle, and circle) according to number of sides, vertices, and right angles.
Shape Matching (25)	VA	MA.1.1.12	The student will identify and trace, describe, and sort plane geometric figures (triangle, square, rectangle, and circle) according to number of sides, vertices, and right angles.
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Grade 2			
Activity/Lesson	State	Standards	
Labeling Worksheet (17-22)	VA	MA.2.2.15.b	Identify and create figures with at least one line of symmetry.
Labeling Worksheet (17-22)	VA	MA.2.2.16	The student will identify, describe, compare, and contrast plane and solid geometric figures (circle/sphere, square/cube, and rectangle/rectangular prism).
Engine Terms (23-24)	VA	MA.2.2.15.b	Identify and create figures with at least one line of symmetry.
Shape Matching (25)	VA	MA.2.2.15.b	Identify and create figures with at least one line of symmetry.
Shape Matching (25)	VA	MA.2.2.16	The student will identify, describe, compare, and contrast plane and solid geometric figures (circle/sphere, square/cube, and rectangle/rectangular prism).
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Grade 3			
Activity/Lesson	State	Standards	
Labeling Worksheet (17-22)	VA	MA.3.3.16	The student will identify and describe congruent and noncongruent plane figures.
Engine Terms (23-24)	VA	MA.3.3.16	The student will identify and describe congruent and noncongruent plane figures.
Shape Matching (25)	VA	MA.3.3.16	The student will identify and describe congruent and noncongruent plane figures.
Measurement Worksheet 26-32)	VA	MA.3.3.9.a	Measure length to the nearest 1/2-inch, inch, foot, yard, centimeter, and meter;
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Grade 4			
Activity/Lesson	State	Standards	
Storyboard Airport Terms (15-16)	VA	MA.4.4.11.b	Recognize the images of figures resulting from geometric transformations, such as translation, reflection, and rotation.
Labeling Worksheet (17-22)	VA	MA.4.4.11.b	Recognize the images of figures resulting from geometric transformations, such as translation, reflection, and rotation.
Shape Matching (25)	VA	MA.4.4.11.a	Investigate congruence of plane figures after geometric transformations, such as reflection, translation, and rotation, using mirrors, paper folding, and tracing
Shape Matching (25)	VA	MA.4.4.11.b	Recognize the images of figures resulting from geometric transformations, such as translation, reflection, and rotation.
Measurement Worksheet 26-32)	VA	MA.4.4.6.a	Estimate and measure weight/mass and describe the results in U.S. Customary and metric units as appropriate
Measurement Worksheet 26-32)	VA	MA.4.4.7.a	Estimate and measure length, and describe the result in both metric and U.S. Customary units
Time Changes Worksheet (33-44)	VA	MA.4.4.6.a	Estimate and measure weight/mass and describe the results in U.S. Customary and metric units as appropriate
Time Changes Worksheet (33-44)	VA	MA.4.4.7.a	Estimate and measure length, and describe the result in both metric and U.S. Customary units